

**Amendments to the Abstract**

Please replace the abstract of the disclosure with the following new abstract:

A heat exchanger which is especially used as an oil cooler in the motor vehicle industry includes interconnected plates. Outwardly closed cavities are embodied between the plates and are alternately supplied with a first or second medium by at least one supply line and one discharge line, and a corresponding medium flows through them. The plates are profiled in such a way that contact points are created between the respective profiles of the plate, and the plates are interconnected in the region of the contact points. The plates are designed such that the current from the first or second medium forming between the plates, from the corresponding supply line to the corresponding discharge line, does not follow a linear path.